

Center for Integrative Materials Joining Science for Energy Applications – Planning Workshop (Draft Agenda)

Location:

The Blackwell - 2110 Tuttle Park Place - Columbus, Ohio 43210 (tentative); This hotel has guestrooms and can be booked at a discount. The hotel is conveniently situated within the Ohio State University Campus. (More details will follow)

Day 1: December 7, 2009; Monday:

7:30 AM: Registration and Breakfast

Session 1. Overview and Introduction to I/UCRC Program

Goal of the 1st session is to provide an overview of the proposed center and also energy related research activities within the Ohio State University, Colorado School of Mines, University of Wisconsin and Lehigh University.

8:00 AM Welcome remarks: Introductory Remarks on Energy Related Activities within OSU: Dr. R. Moses, Associate Dean for Research, OSU

8:10 AM: Vision and mission of the center for integrative materials joining science for energy applications– Prof. S. S. Babu, The Ohio State University (20 min presentation and 10 min Q&A)

8:40 AM: Role of Colorado School of Mines' expertise and facilities with relevance to the Energy Research and the proposed center: Prof. S. Liu, Colorado School of Mines (20 min presentation and 10 min Q&A)

9:10 AM: Role of University of Wisconsin-Madison's expertise and facilities with relevance to the Energy Research and the proposed center: Prof. S. Kou, University of Wisconsin-Madison (20 min presentation and 10 min Q&A)

9:40 AM: Role of Lehigh University's expertise and facilities with relevance to the Energy research and the proposed center: Prof. J. DuPont, Lehigh University (20 min presentation and 10 min Q&A)

10:10 AM: NSF I/UCRC Presentation: Dr. Babu Dasgupta, NSF I/UCRC Program Director (25 min presentation and 5 min Q&A)

10:40 AM to 11:00 AM Coffee Break

Session 2. Project Presentations (Part 1)

Goal of the 2nd session is to provide some potential projects that are based on initial interview with potential member companies. Since we do not have time for all the project presentations. Only 3 projects will be presented from each participating universities. These lectures will be brief with 10-minute presentations to show case studies how the capability will meet the needs identified by the industry. After each presentation, there will be 5 minute Question and Answer Session. Industry participants will also fill up LIFE (Level of Interest and Feedback Evaluation) forms to provide feedback on the projects.

11:00 Am to 11:45 AM: Lehigh Projects (Project scope, deliverables, milestones & budget)

11:45 Am to 12:30 AM: OSU Projects (Project scope, deliverables, milestones & budget)

12:30 PM to 1:30 PM Lunch

The meeting organizers will provide box lunch close to the meeting rooms

Session 2. Project Presentations (continued)

1:30 PM to 2:15 PM: UW Projects (Project scope, deliverables, milestones & budget)

2:15 PM to 3:00 PM: CSM Projects (Project scope, deliverables, milestones & budget)

3:00 PM to 3:15 PM Coffee/Tea Break

Session 3. Industry Brainstorming Session (2 hrs)

Goal of this 3rd session is to identify the research needs that were not addressed already by the project presentations. The topics will be related to materials joining science and its applications to energy industries.

3:15 PM: Facilitator will provide guidelines and rules of brainstorming session (NSF will meet with the facilitator prior to the session)

3:30 PM to 4:30 PM: Green Light Thinking Session (Industry / Member Participants only); In this session, industry participants will have a chance to identify their needs or expectations from the center. We will collect all the ideas and group them under different categories. Dr. Babu Dasgupta (NSF Program Director) will explain more at this session the purpose and the next steps.

Session 4: Review of the Day and 2nd Day Planning

4:30 PM: Summary of the day 1 and overview of day 2 activities (10 minutes)

Evening Networking and Dinner (5:00 to 8:00 PM)

5:00 PM Poster session and Informal discussion with students

6:00 PM Dinner and Informal Networking

Day 2: December 8, 2009; Tuesday:

7:30 AM: Arrival and Breakfast

Session 5: Summary of Industry Needs and Approaches to Address the same

Goal of the 5th session is to come up with possible approaches to address the needs identified by the industry through integration of capabilities within Universities and National Laboratories. Synergies between needs identified by the industry will be presented.

8:00 AM to 9:00 AM: Invited Presentation by Program managers from Department of Energy, Department of Defense, Department of Commerce, and Department of Transportation. (More details will come later); The goal is to identify how these organizations can play a role in the center activities.

9:00 AM to 10:00 AM: Feed back from Industry (Industry Moderated)

10:00 AM to 11:00 AM: LIFE (Level of Interest and Feedback Evaluation) FORM review and discussion (NSF Moderated)

11:00 AM to 11:30 AM: NSF Closed Door session with industry and members

11:30 AM to 12:00 PM: Summary and Closing Remarks on Next Steps

12:00 PM: Adjourn meeting

12:00 PM: Tour of the OSU Facilities (Welding Engineering, and MSE facilities) (optional)

Lunch boxes will be provided before the tour